

**Express Mail No.: EV504789565US**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Jeffrey S. Mumm

Serial No.: 10/799,372

Filed: March 12, 2004

For: TARGETED AND REGIONAL  
CELLULAR ABLATION IN ZEBRAFISH

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: Art Unit: 1653  
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: Examiner:  
:  
: Atty. Dkt. No.: 15060-58  
:  
:

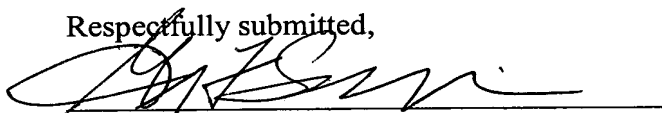
**RESPONSE TO NOTICE TO FILE MISSING PARTS  
IN A U.S. NONPROVISIONAL APPLICATION**

**Mail Stop: Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

Sir:

In response to the Notice to Comply With Requirements for Patent Applications Containing Nucleotide and/or Amino Acid Sequence Disclosures mailed June 15, 2004 (copy enclosed) of Jeffrey S. Mumm, Serial No.: 10/799,372 dated March 12, 2004, prior to the examination of this application, please enter the attached Preliminary Amendment, Statement to Support Filing and Submission, Computer Readable Form Copy of Sequence Listing (1 Diskette) and the Paper Copy of Sequence Listing in the record of this application.

Respectfully submitted,



Gordon F. Sieckmann, Reg. No. 28,667  
ARMSTRONG TEASDALE LLP  
One Metropolitan Square, Suite 2600  
St. Louis, Missouri 63102-2740  
(314) 621-5070



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jeffrey S. Mumm  
Serial No.: 10/799,372  
Filed: March 12, 2004  
For: TARGETED AND  
REGIONAL CELLULAR  
ABLATION IN ZEBRAFISH  
Group No.: 1653  
Examiner:

**Mail Stop: Missing Parts**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**TRANSMITTAL**

- Transmitted herewith is:  
Amendment Transmittal which includes Certificate of Express Mail (3 pgs.) In duplicate  
Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures (2 pgs.)  
Response to Notice to File Missing Parts (1 pg.)  
Preliminary Amendment (4 pgs.)  
Statement to Support Filing and Submission (1 pg.)  
Computer Readable Form Copy of Sequence Listing (1 Diskette)  
Paper Copy of Sequence Listing (2 pgs.)  
Return Postcard

**STATUS**

- Applicant  
☒ claims small entity status.  
☐ is other than a small entity.

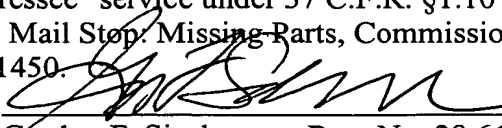
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**CERTIFICATE OF MAILING BY EXPRESS MAIL TO  
THE COMMISSIONER FOR PATENTS**

**Express Mail No. EV504789565US**

**Date: August 16, 2004**

I hereby certify that the documents listed above are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above in an envelope addressed to Mail Stop: Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Gordon F. Sieckmann, Reg. No. 28,667

## EXTENSION OF TERM

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply.

(complete (a) or (b), as applicable)

- (a) ☐ Applicant petitions for an extension of time under 37 C.F.R. 1.136  
(Fees: 37 C.F.R. 1.17(a)-(d) for the total number of months checked below:)

Extension for response within:	Other than small entity Fee	Small entity Fee (if applicable)
<input type="checkbox"/> first month	\$ 110.00	\$ 55.00
<input type="checkbox"/> second month	\$ 420.00	\$ 210.00
<input type="checkbox"/> third month	\$ 950.00	\$ 475.00
<input type="checkbox"/> fourth month	\$1,480.00	\$ 740.00
<input type="checkbox"/> fifth month	\$2,010.00	\$1,005.00

Fee Due                      \$                     

If an additional extension of time is required, please consider this a petition therefor.

(Check and complete the next item, if applicable)

- ☐ An extension of \_\_\_\_\_ months has already been secured. The fee paid therefor \$\_\_\_\_\_ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ \_\_\_\_\_.

OR

- (b) ☒ Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

## FEE FOR CLAIMS

4. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

	(Col. 1) CLAIMS REMAINING AFTER AMENDMENT	(Col. 2) HIGHEST NO. PREVIOUSLY PAID FOR	(Col. 3) PRESENT EXTRA	SMALL ENTITY ADDITIONAL RATE FEE	OR	OTHER THAN SMALL ENTITY ADDITIONAL RATE FEE
TOTAL	MINUS	=		x \$9 = \$		x \$18 = \$
INDEP.	MINUS	=		x \$43 = \$		x \$86 = \$
____ FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+ \$145 = \$		+ \$290 = \$
				TOTAL ADDITIONAL FEE \$	OR	TOTAL ADDITIONAL FEE \$

- (a) ☒ No additional fee for Claims is required

**OR**

- (b) ☐ Total additional fee for claims required \$

**FEE PAYMENT**

5. Attached is a check in the sum of \$\_\_\_\_\_.
- ☐ Charge Deposit Account No. 01-2384 the sum of \$\_\_\_\_\_.  
A duplicate of this transmittal is attached.

**FEE DEFICIENCY**

6. ☒ If any additional extension and/or fee is required, charge Deposit Account No. 01-2384.

**AND/OR**

- ☒ If any additional fee for claims is required, charge Deposit Account No. 01-2384.
7. ☐ Other:



Gordon F. Sieckmann  
Reg. No. 28,667  
ARMSTRONG TEASDALE LLP  
One Metropolitan Square, Suite 2600  
St. Louis, MO 63102  
314-621-5070



08-17-04

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/799,372	03/12/2004	Jeffrey S. Mumm	15060-58

Patrick W. Rasche  
 Armstrong Teasdale LLP  
 Suite 2600  
 One Metropolitan Square  
 St. Louis, MO 63102



CONFIRMATION NO. 7301

FORMALITIES LETTER



\*OC000000012942570\*

Date Mailed: 06/15/2004

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS  
 CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE  
 DISCLOSURES**

*Filing Date Granted*

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- This application clearly fails to comply with the requirements of 37 CFR. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing", an initial paper or compact disc copy of the "Sequence Listing", as well as an amendment directing its entry into the application. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

**For questions regarding compliance to these requirements, please contact:**

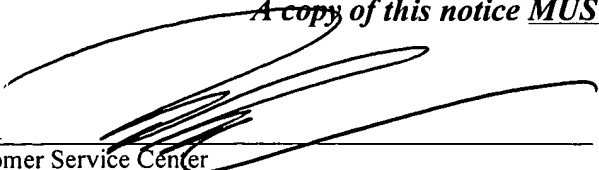
- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or [patin3help@uspto.gov](mailto:patin3help@uspto.gov)

Replies should be mailed to: Mail Stop Missing Parts  
 Commissioner for Patents  
 P.O. Box 1450

Alexandria VA 22313-1450

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*A copy of this notice MUST be returned with the reply.*



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Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE